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# Army GFIM Prototype Government / Industry Collaboration Day 20 March 2020

Presented By:  
Program Executive Office Enterprise Information Systems  
GFIM Capability Management Office / HQDA G-3/5/7



# Collaboration = Work In Progress



ALL Acquisition Planning shown here is

*DRAFT* “Work Zone”



# Agenda

Time	Topic	Speaker and Organization
9:50 – 9:59	Attendee <b>**Virtual**</b> Check-In (On-Line at Facebook Live)	Army GFIM Team & All Registered Vendors
10:00 – 10:05	Welcome, Agenda and Ground Rules	Mr. J.T. Craft, PEO EIS GFIM Product Lead
10:05 – 10:25	Other Transaction Authority: “101” Overview of 10 USC 2371b	Mr. Kyle Burke, PEO EIS (Support Contractor)
10:25 – 10:40	Keynote: Army strategy for GFIM Objective Environment	BG Martin Klein, Director, DAMO-SO and Mr. Adam Nucci, Deputy Director, DAMO-SO
10:40 – 11:00	D2RR End to End Process and GFIM Prototype Requirement	Ms Lori Mongold, Chief, DAMO-SOE
11:00 – 11:10	Draft Acquisition Approach and Timeline of Events to OTA Awards	Mr. J.T. Craft, PEO EIS GFIM Product Lead
11:10 – 11:30	Questions and Answers	All Speakers

Each Speaker will accept *limited questions at the end* of their topic.



- This brief is marked “Distribution Statement A. Approved for Public Release, Distribution unlimited”
- Industry Proprietary questions/comments or Government verbal responses submitted today or as part of the scheduled One-on-One sessions will not be published
- General, Frequently Asked Questions (FAQs) with Government responses from One-on-One Sessions may be published
- Nothing presented in this Collaborative Session or the One-on-One Sessions commits the U.S. Army to any Acquisition Approach, Agreement or Contract
- Any future published Solicitation or Prototype Project Opportunity Notice will take precedence over anything presented or the responses to any question(s)
- These slides and a list of the companies that registered to participate will be posted to [www.beta.sam.gov](http://www.beta.sam.gov) Opportunity: Army Global Force Information Management (GFIM) Prototype; Notice ID: W15QKN-20-X-0ADG





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Program Executive Office, Enterprise  
Information Systems (PEO EIS)

# Other Transaction Authority: “101 Overview” of 10 USC 2371b

Mr. Kyle Burke,  
Program Analyst, PEO EIS



# Other Transaction Authority =

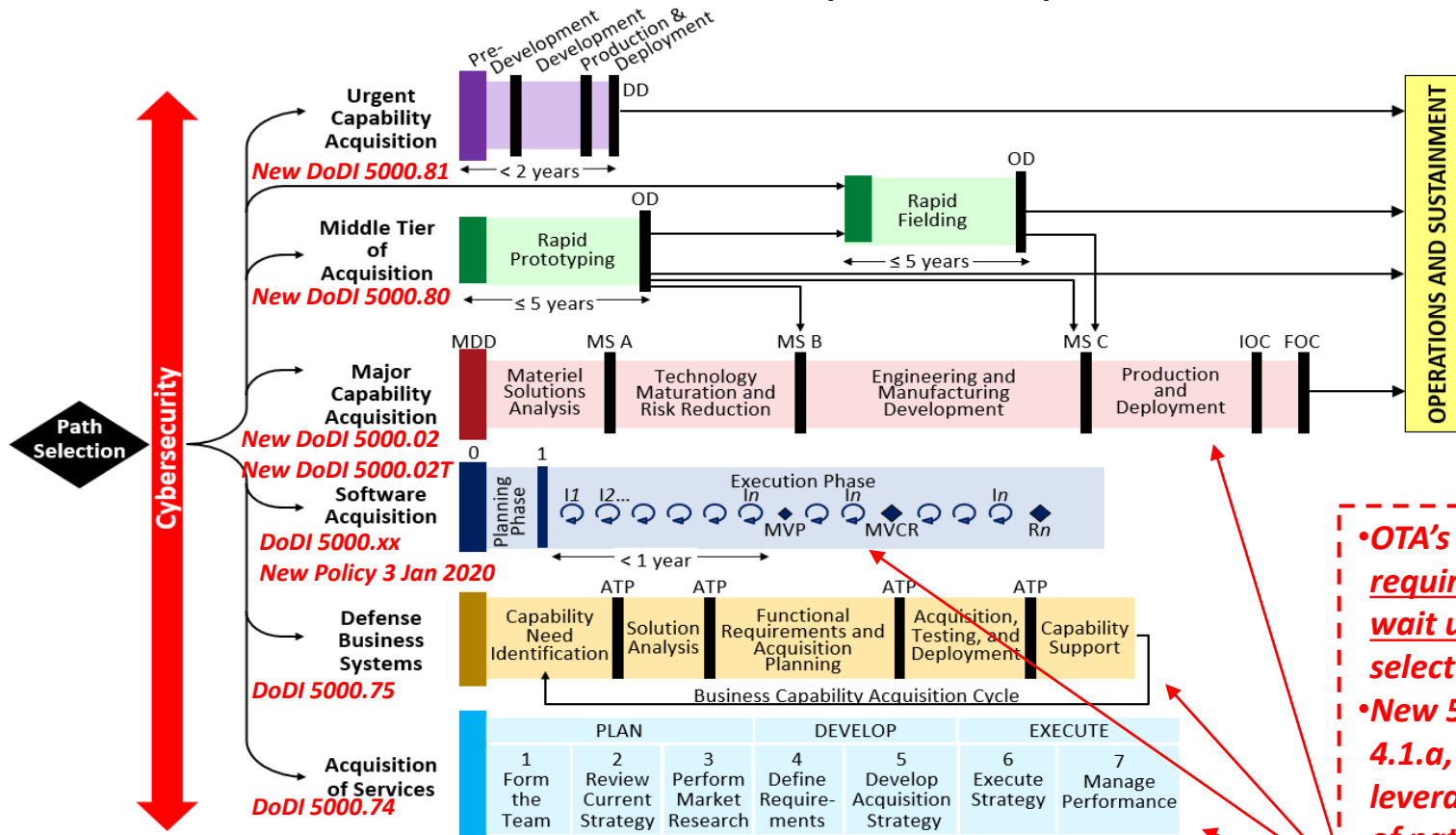
An opportunity to *pilot* a new path





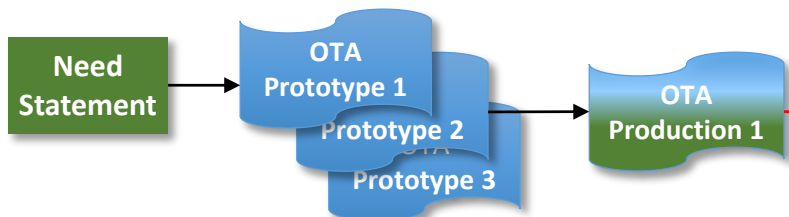
## New DoDI 5000 Series "Adaptive Acquisition Framework"

<https://aaf.dau.edu>



**•OTA's accelerate requirements and can wait until production to select the Path**  
**•New 5000.02, para 4.1.a, PMs... may leverage a combination of pathways.**

### OTA Acquisition Framework



**OTA's are Outside of the DoDI 5000.xx Process:**  
"10 U.S.C. § 2371b. Authority of the Department of Defense to carry out certain prototype projects" – **Similar to DoDI 5000.80, Middle Tier, enter the appropriate DoDI 5000.xx at any decision point based on the Prototype Success Criteria**

# What is an Other Transaction Authority (OTA) Agreement?

- Defined by what it is *NOT*:
  - Not a standard procurement Contract / Grant / or Cooperative Agreement
  - Not subject to many (some do apply) provisions of the Federal Acquisition Regulation (FAR)
  - Not under the jurisdiction of GAO for protests, but GAO has ruled on the use of the OTAs
  - Can be subject to lawsuits filed in a Federal Court of Claims
- Defined by what it *IS*:
  - It is a Legally Binding Instrument
  - It is similar to a commercial-sector contract
- Two Main Types:
  - **Research: 10 U.S.C. § 2371.** Research projects: Transactions other than contracts and grants
  - **Prototypes: 10 U.S.C. § 2371b.** Authority of the Department of Defense to carry out certain prototype projects

See: 10 U.S.C. 2371b

<https://uscode.house.gov/view.xhtml?hl=false&edition=prelim&req=granuleid%3AUSC-prelim-title10-section2371b&num=0&saved=%7C23JhbnVsZWlkOIVTQy1wcmVsaW0tdGI0bGUxMC1zZWN0aW9uMjMwMg%3D%3D%7C%7C%7C0%7Cfalse%7Cprelim>



- **Two Laws**
- **10 U.S.C. § 2371.** Research projects: transactions other than contracts and grants
  - ...[A]uthority of this subsection in carrying out basic, applied, and advanced research projects.
- **10 U.S.C. § 2371b.** Authority of the Department of Defense to carry out certain prototype projects
  - Authority to “...carry out **prototype projects** that are directly relevant to enhancing the mission effectiveness of military personnel and the supporting platforms, systems, components, or materials proposed to be acquired or developed by the Department of Defense, or to improvement of platforms, systems, components, or materials in use by the armed forces.”
  - ....Continued on next page

- **Authority: 10 U.S.C. § 2371b** (Continued)
  - (d) Appropriate Use of Authority –
    - (1)...**one of the following conditions must be met:**
      - (A) There is at least one **nontraditional defense contractor** or nonprofit research institution **participating to a significant extent** in the prototype project.
      - or**
      - (B) All significant participants in the transaction other than the Federal Government **are small businesses** (including small businesses participating in a program described under section 9 of the Small Business Act (15 U.S.C. 638)) or nontraditional defense contractors.
      - or**
      - (C) At least **one third of the total cost** of the prototype project is to be paid out of funds provided by sources other than other than the Federal Government. *(1/3 cost share)*



- **Authority: 10 U.S.C. § 2371b** (Continued)

- (f) Follow-on Production Contracts or Transactions.—**

- (1)** A transaction entered into under this section for a prototype project may provide for the award of a **follow-on production contract or transaction** to the participants in the transaction. A transaction includes all individual prototype subprojects awarded under the transaction to a consortium of United States industry and academic institutions.

- (2)** A follow-on production contract or transaction provided for in a transaction under paragraph (1) may be awarded to the participants in the transaction without the use of competitive procedures...

- (3)** A follow-on production contract or transaction may be awarded, pursuant to this subsection, when the Department determines that an individual prototype or prototype subproject as part of a consortium is **successfully completed** by the participants.

# What is a Prototype Project?

- No statutory definition BUT the “current” OT Guide Glossary says:
  - "... a prototype project addresses a proof of concept, model, reverse engineering to address obsolescence, pilot, novel application of commercial technologies for defense purposes, agile development activity, creation, design, development, demonstration of technical or operational utility, or combinations of the foregoing. A process, including a business process, may be the subject of a prototype project.”
  - *Bottom-Line:* A prototype is whatever the requiring activity determines it to be

See: Other Transactions Guide, Ver 1.0, Nov 2018 Appendix A – Glossary pg 31  
[https://www.acq.osd.mil/dpap/cpic/cp/docs/OT\\_Guide\\_\(Nov\\_2018\)\\_Final.pdf](https://www.acq.osd.mil/dpap/cpic/cp/docs/OT_Guide_(Nov_2018)_Final.pdf)





- 10 U.S.C. 2302 Definitions – (*Different Law*)  
(9) The term “**nontraditional defense contractor**”, . . .  
“... means an entity that is not currently performing and has not performed, for at least the one-year period preceding the solicitation of sources by the Department of Defense for the procurement or transaction, any contract or subcontract for the Department of Defense that is subject to full coverage under the cost accounting standards prescribed pursuant to section 1502 of title 41 and the regulations implementing such section.”
- Cost Accounting Standards (CAS) Apply = \$50 Million in CAS covered contracts received in current or the preceding year. This could be a single award of \$50M or more, or multiple contracts over \$7.5M that together add up to at least \$50M.

See: 10 U.S.C. 2302 Definitions at:

[https://uscode.house.gov/view.xhtml?req=\(title:10%20section:2302%20edition:prelim\)%20OR%20\(granuleid:USC-prelim-title10-section2302\)&f=treesort&num=0&edition=prelim](https://uscode.house.gov/view.xhtml?req=(title:10%20section:2302%20edition:prelim)%20OR%20(granuleid:USC-prelim-title10-section2302)&f=treesort&num=0&edition=prelim)

- No statutory definition BUT the "current" OT Guide Glossary says:
  - "... Agreements Officer (AO) is expected to consider input from relevant technical advisors (Legal, Engineering, Program Management, Pricing, Logistics, etc.) in assessing the totality of the circumstances for each proposed prototype project before making an independent judgement ..."
  - "AOs should not establish blanket rules or thresholds for determination of significance, and agencies must not establish local policies which infringe on the AO's judgment in making such determinations. "
  - *Bottom-Line:* "It depends" and the Agreement Officer decides (with Legal review)

See: DoD OT Guide Ver 1.0 Nov 2018, Appendix A – Glossary pg 32 -33



- Requires a Determination & Findings (D&F) by the Agreement Officer
- **Includes:** Resources expended by the award recipients on the proposed project SOW. Costs a reasonable person would incur (necessary to) carrying out project SOW.
- **Does Not Include:** Any Funds directed to US Government
- Two Basic Types of Cost Sharing:
  - Cash: Outlays of funds (costs) to perform the OT project
    - Includes labor, materials, new equipment, subcontractor effort
    - Sources include new Internal, Research and Development (IR&D) funds, profit or fee from another contract, overhead or capital equipment expense pool
  - In-Kind: Reasonable value of equipment, materials or other property used in performance of OT work

See: "An Assessment of Cost-Sharing in Other Transactions Agreements For Prototype Projects":  
[https://www.acq.osd.mil/dpap/cpic/cp/docs/Assessment%20of%20Cost-Sharing%20in%20Other%20Transactions%20Agreements%20for%20Prototype%20Projects%20\(2\).pdf](https://www.acq.osd.mil/dpap/cpic/cp/docs/Assessment%20of%20Cost-Sharing%20in%20Other%20Transactions%20Agreements%20for%20Prototype%20Projects%20(2).pdf)



# Who is the Approval Authority? (By Dollar Thresholds)

- Approval authority delegated to different levels dependent upon dollar value of the Agreement (**Single** Agreement if Multiple Awards)

## Up to \$100 Million

Senior Procurement Executive – ASA(ALT)

Note: Delegated to Principle Assistant Responsible for Contracting (PARC)

## Over \$100 Million up to \$500 Million

Senior Procurement Executive – ASA(ALT)

## Over \$500 Million

Under Secretary of Defense (Research & Engineering) or (Acquisition & Sustainment)

- **Separate D&F** to approve use of OT executed for each prototype project
- Agreements Officer – must be a warranted DoD Contracting Officer with comparable dollar value warrant and have a level of responsibility, business acumen, and judgment that enables them to operate in this relatively unstructured environment.

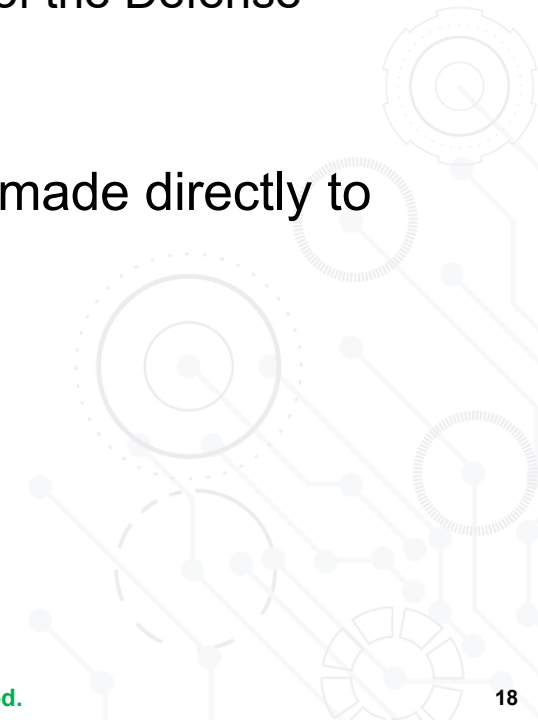
See: OT Guide Nov 2018, Appendix E – Additional Information, Resources, and recent Policy pg 43 - 44





- **Consortium defined as:** An association of two or more individuals, companies, organizations or governments (or any combination of these entities) with the objective of participating in a common activity or pooling their resources for achieving a common goal.
- **Speed:** Already established OT Agreement, Prototype Project accepts the Consortia Source Selection Criteria, Process, plus Terms and Conditions
  - NOTE: Consortium holds the OTA similar to an Indefinite Delivery / Indefinite Quantity (ID/IQ)
- **Help:** Consortium Model best when PM Office has little/no staff
- **Structure:** Consortium Model can provide a preset Source Selection Forms / Structure and “Help” with the process
  - “Stand Alone” OTAs require an experienced PMO Office Staff

- OTA awarded to individual Contractor, Group of Contractors, or Consortium
- Numerous methods to ‘solicit’:
  - Beta.SAM.gov (Solicitation posted as Prototype Project Opportunity Notice (PPON), similar to a Request for Proposal (RFP))
  - Broad Agency Announcement (BAA)
  - Commercial Solutions Opening (CSO), as in support of the Defense Innovation Unit Experimental (DIUx)
- Awards off BAAs/Notices or the CSO are normally made directly to a Non-Traditional Contractor





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Army G-3/5/7

Department of the Army Management Office –  
Strategic Operations

# Keynote: Army strategy for GFIM

## Objective Environment

BG Martin Klein,  
Director, DAMO-SO

and

Mr. Adam Nucci,  
Deputy Director, DAMO-SO





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Strategic Operations Enterprise

# D2RR End to End Process and GFIM Prototype Requirement:

Ms. Lori Mongold,  
Chief, DAMO-SOE





- Purpose, Mission, and Intent
- Framing Assumptions
- GFIM Prototype Tenets
- Army Business Enterprise Architecture Process Alignment
- Functional Requirements
- Linkage to GFIM Objective Environment



**Purpose:** Obtain Industry Feedback on the GFIM Prototype Requirement and the DRAFT Acquisition Approach to use Other Transaction Authority (10 U.S.C 2371b)

**Mission:** Vendors (at least 3) demonstrate capabilities in commercial solution prototypes that will serve as the baseline for continued configuration and delivery of an enduring Army GFIM capability

**Intent:** Rapidly demonstrate GFIM prototypes in two overarching phases with varying capabilities culminating with a production release. Prototypes that achieve success in demonstrating Phase 1 capabilities will be continued into Phase 2.

- **Phase 1 – Dynamic Force Structure (DFS) Prototype:** Demonstrate an integrated planning, programming, and production capability (IP3C) that serves as the single entry point for conducting force management activities for an Army “at rest” and “in motion”
- **Phase 2 – Dynamic Force Employment (DFE) Prototype:** Demonstrate an integrated solution that builds off phase 1 success by addressing the remaining GFIM capability requirements to automate D2RR sub-processes that guide force generation, employment, sustainment, re-deployment, and regeneration and fully enable DFE



# Framing Assumptions

- Using OTA procurements does not commit to any Adaptive Acquisition pathway for delivery of the GFIM objective environment (i.e., DoDI 5000.75 or 5000.74)
- GFIM prototypes will help the Army achieve compliance with DoD GFM DI and fully enable DoD DFE
- Aggressive OTA timeline provides Agreement Awards (more than 1 for Phase 1) in FY 20
- A dedicated Ad-hoc GFIM Team will include: HQDA G-3/5/7 (GFIM CMO/DAMO-SOE) Capability Managers, **PEO EIS Prototype Lead** and an Agreements Officer from Army Contracting Command – New Jersey (ACC-NJ)
- GFIM prototype Phase 1 (DFS) will demonstrate the following GFIM portfolio systems:
  - (1) SAMAS; (2) FMS; (3) FMSWeb; (4) DRRS-A (Force Registration Application); and (5) RCAS (Organizational Authority and Permanent Orders System Applications)
  - Army Organization Server (AOS) will remain the authoritative source for force structure authorizations and serve data lake consumer in compliance with GFM DI requirements
- GFIM Prototype Phase 2 (DFE) will demonstrated the following GFIM portfolio systems:
  - (1) MOBCOP; (2) COMPASS; (3) ECOP
  - AST and EMDS future role in prototypes TBD

System Acronym list in back-up

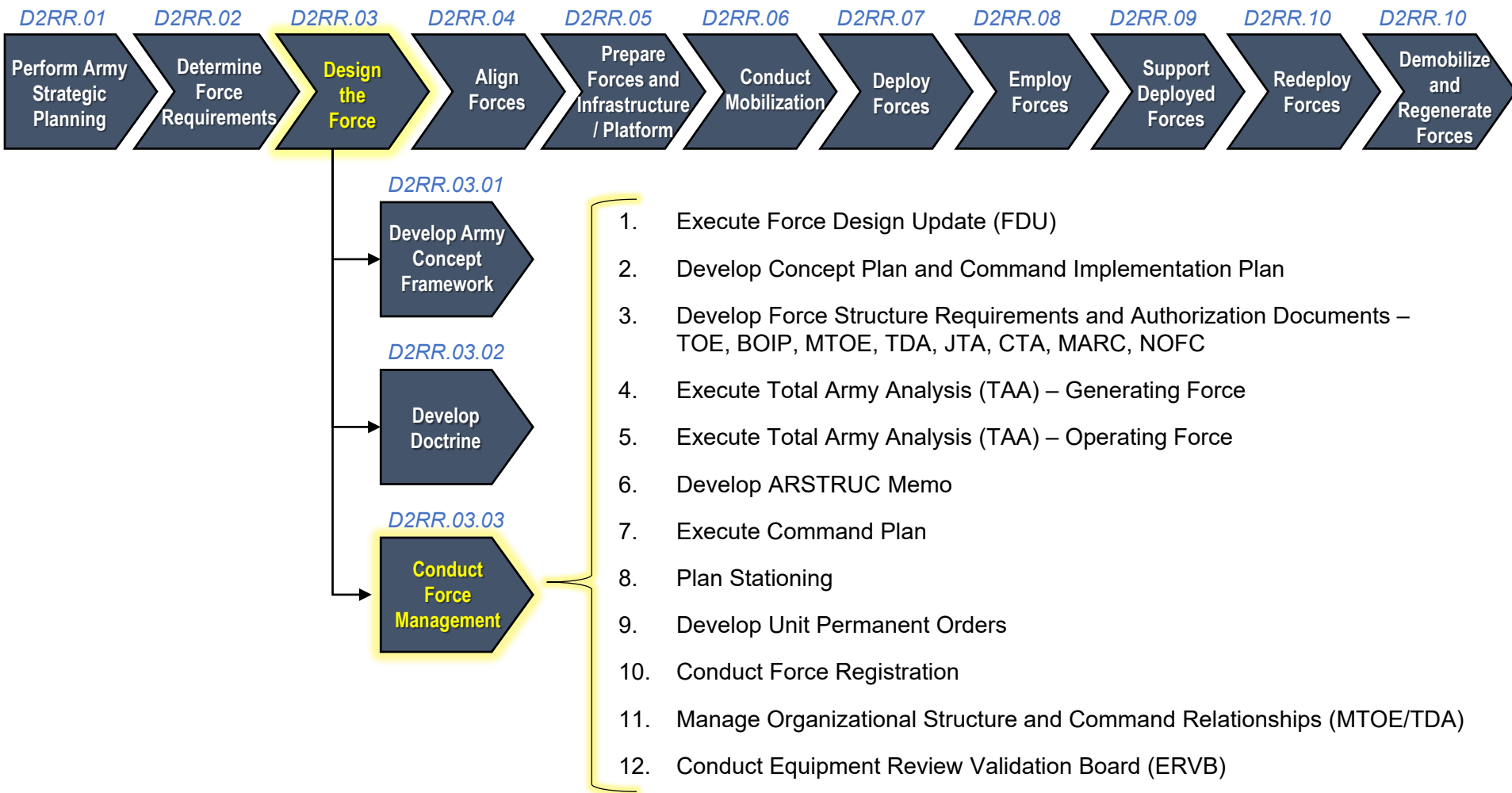


## Leverage cloud-hosting technology and commercial solutions to:

- Automate force management functions that enable Army Deploy-to-Redeploy/Retrograde (D2RR) and Department of Defense (DoD) Global Force Management (GFM) processes
- Consolidate and maintain unclassified and classified data supporting the Army D2RR process using a single authoritative data repository (i.e., data lake)
- Manage organizational structure and command relationships in a dynamic and transparent manner to show an Army “at rest” and “in motion” (i.e., DFS)
- Conduct force generation, mobilization, deployment, and re-deployment functions that ensures the Army’s ability to fully implement DFE
- Distribute data in a GFM Data Initiative (GFM DI) compliant format to Army enterprise resource planning (ERP) and mission command systems, as well as Joint command and control systems
- Comply with DoD GFM DI and Army Data Plan standards and business rules to ensure data is visible, accessible, understandable, trusted, interoperable and secure across the DoD enterprise
- Achieve and maintain an authority to operate (ATO) on Army unclassified (NIPR) and classified (SIPR) networks in compliance with the DoD Risk Management Framework (RMF)



**Army Deploy-to-Redeploy/Retrograde (D2RR) End-to-End Business Process**



**GFIM prototype phase 1 (DFS) will focus on the 12 processes shown above, which collectively enable the Army to conduct force management activities as part of the “Design the Force” D2RR Level 1 business process**



# GFIM Prototype Phase 1 Functional Requirements



**GLOBAL FORCE INFORMATION MANAGEMENT (GFIM)**

**Requirements Traceability Matrix (RTM)**

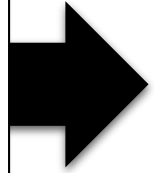
Version 1.00  
(Excel File formatted for Solicitation)

26 February 2020  
Solicitation Number: **TBD**

**Prepared By:**  
Functional Sponsor for GFIM  
Assistant Deputy Chief of Staff, G-3/5/7  
Headquarters, Department of the Army (HQDA)

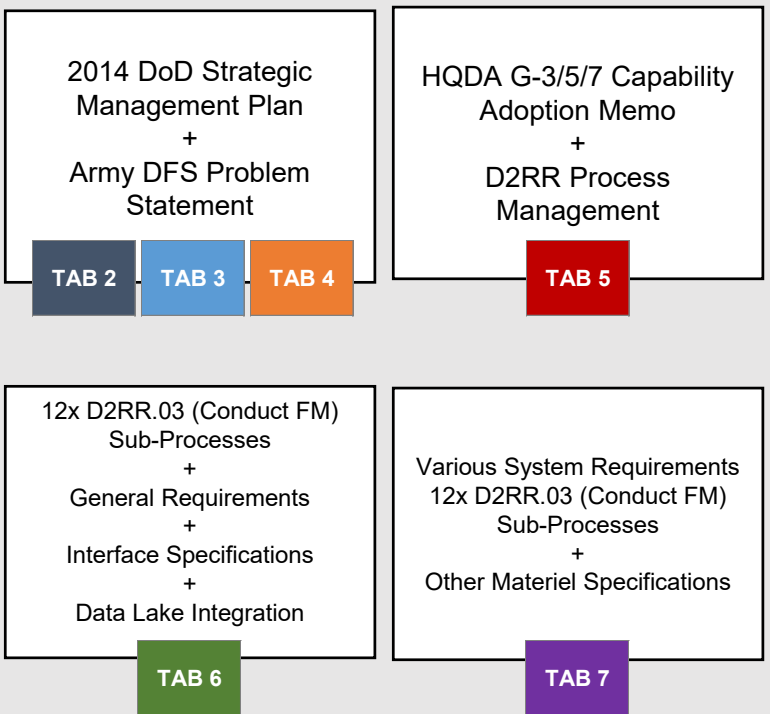
GFIM Attach 000X RTM

*Distribution A: Approved for public release; distribution unlimited*



<b>TAB 1</b>	<b>Traceability Index</b> Army GFIM RTM hierarchy description
<b>TAB 2</b>	<b>Level 0 - DoD Objectives</b> DoD business objectives that the Army's GFIM solution must implement
<b>TAB 3</b>	<b>Level 1 - GFIM High Level Objectives</b> Documented in Army Dynamic Force Structure (DFS) Problem Statement
<b>TAB 4</b>	<b>Level 2 - GFIM Business Outcomes</b> Measurements with threshold and objective values
<b>TAB 5</b>	<b>Level 3 - Basic Capability Requirements</b> Maps to Level One Deploy-to-Redeploy/Retrograde (D2RR) Business Process Models
<b>TAB 6</b>	<b>Level 4 - Detailed Capability Requirements</b> Maps to Level Two D2RR Business Process Models
<b>TAB 7</b>	<b>Level 5 - GFIM System Requirements</b> Describes system functionality and technical requirements and/or specifications
<b>TAB 8</b>	<b>D2RR - Level One Business Processes</b> Level One D2RR end-to-end business processes with primary process owner(s)
<b>TAB 9</b>	<b>D2RR - Level Two Business Processes</b> Level Two D2RR end-to-end business processes
<b>TAB 10</b>	<b>GFIM Actors</b> Identifies GFIM user community with emphasis on user roles
<b>TAB 11</b>	<b>Terminology and Definitions</b> Defines key terms and associated definitions applicable to Army GFIM

## Key Sources of Requirements



**The GFIM RTM is:**

- A Microsoft Excel-based document with multiple tabs that is formatted to print
- A "living document" that continues to evolve and grow based on new requirements
- Data can be filtered and sorted in multiple ways (e.g., limit to prototype phases)
- Can be locked prior to vendor solicitation to retain integrity of data



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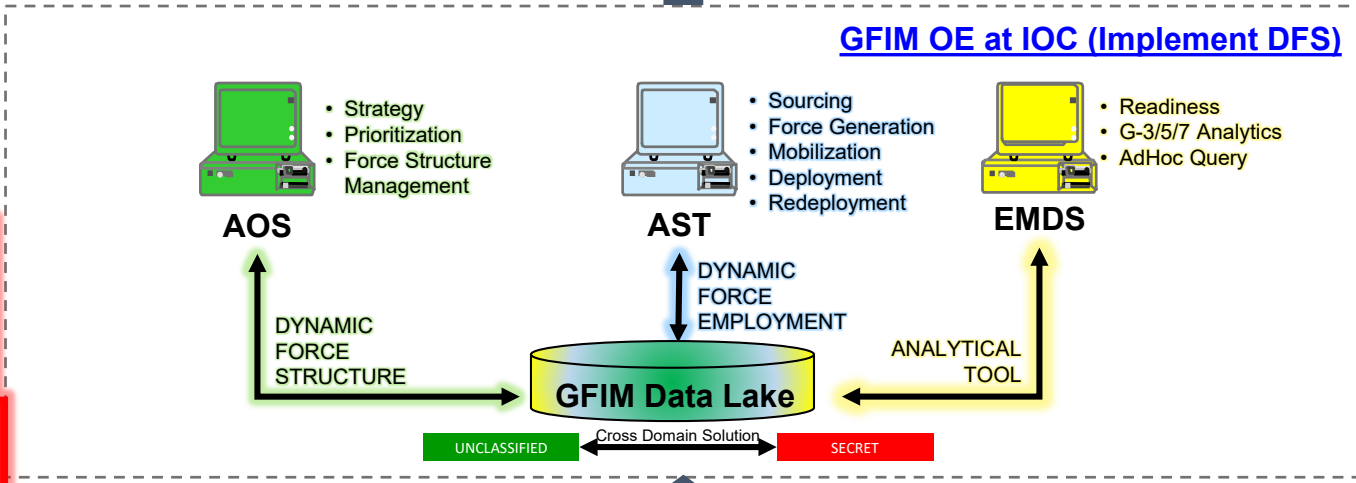
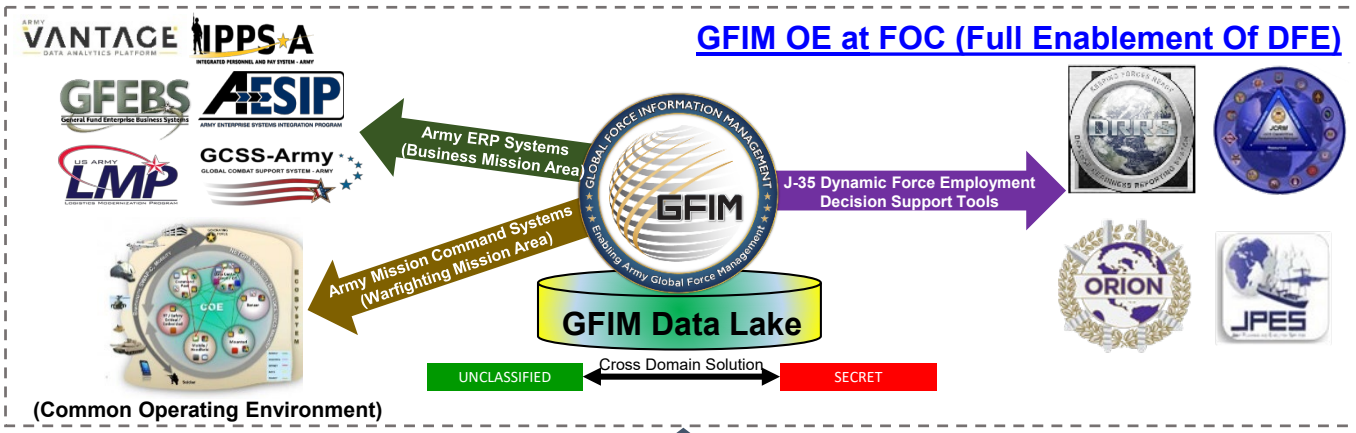
# GFIM Prototype Linkage to GFIM OE

### GFIM OE Characteristics

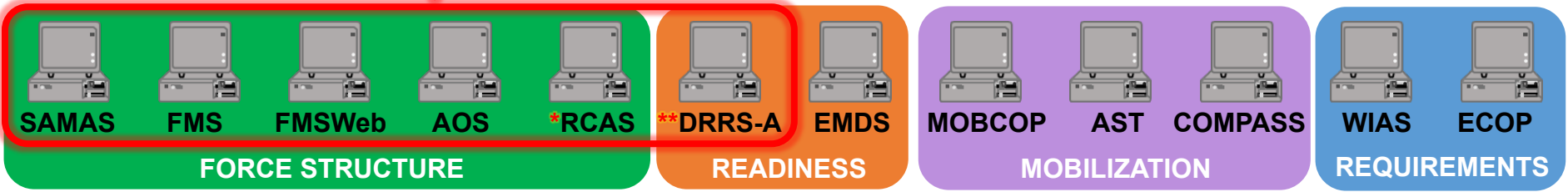
- Currently a DBS following DODI 5000.75 (Business Capability Acquisition Cycle)
- Identified as ACAT III non-covered DBS potential (<\$49.9M over FYDP)
- Rapidly plan and deliver functionality through two overarching increments and multiple system builds/releases
- Tailored “12–3–1” approach for modernizing or consolidating key functionality from legacy systems
- **Use OTAs to develop prototypes as “proof of concepts” for continued configuration to deliver GFIM OE in alignment with Army ERP Modernization Strategy**

### GFIM Prototype Phase 1 Characteristics

- Conduct force management activities while enabling the Army to sunset legacy systems that lack interoperability
- Focus on the following systems the Army uses to conduct force management activities today
  - \* RCAS-OA & RCAS-POS Applications
  - \*\* DRRS-A Force Registration Application Only



### Current Environment (GFIM Portfolio of IT Investments)





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Program Executive Office, Enterprise  
Information Systems (PEO EIS)

# **Draft Acquisition Approach and Milestone Events:**

**Mr. J.T. Craft,  
GFIM Prototype Lead,  
PEO EIS**





# Draft GFIM OTA Acquisition Approach

## Step 1

Upward Invite #1

## Step 2

Upward Invite #2

## Step 3

**White Papers and Rough Order of Magnitude Cost (Statement of Need)**

**Oral Presentations and Tech Demo #1 (Corporate/Public Data)**

**Respond to Prototype Project Opportunity Notice (PPON) and Tech Demo #2 (Government Data Disk)**

**All Vendors:**

Submit White Paper and ROM in response to Statement of Need (SoN)

**Invited Vendors:**

Conduct Oral Presentation and Technology Demonstration #1

**Invited Vendors:**

Submit full Prototype Proposal, with technical detail, licenses and terms and conditions

**Govt "Go / No-Go" Eval. Criteria:**

- OTA Eligible Vendors/Teams
- Commercial Item Software
- Cross-Domain Solution
- Authoritative Data Platform
- Innovative AI/ML/BI Solution
- Cloud Hosted Solution
- Feasibility of ROM

**Govt Eval. Criteria:**

- Oral Presentation**
- Soundness of Approach
  - Hosting Approach
  - Demonstrated Performance
  - Understanding of GFM Reqts
- Technology Demonstration #1**
- Graphical User Interface
  - Quality of Data Representation
  - Ease of Use
  - Data Lake Integration Concept

**Govt Eval Criteria:**

- Technical Approach**
- Soundness of Approach
  - Hosting Approach (by Phase)
  - Demonstrated Performance
  - Understanding of DoD GFM Reqts
  - Data Lake Integration Plan
- Price**
- Reasonability and Affordability
  - Consistent with proposed solution and approach
- Technology Demonstration #3**
- Graphical User Interface
  - Quality of Data Representation
  - Ease of Use
  - Data Lake Integration Concept

**Govt:**

"Go" Publish Invite #1 with Demo #1 instructions for specific format, time & location  
"No-Go" Informed of decision and rationale

**Govt:**

- Document Evaluation, conduct Technical Exchanges if required

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- Document Evaluation, conduct Technical Exchanges if required

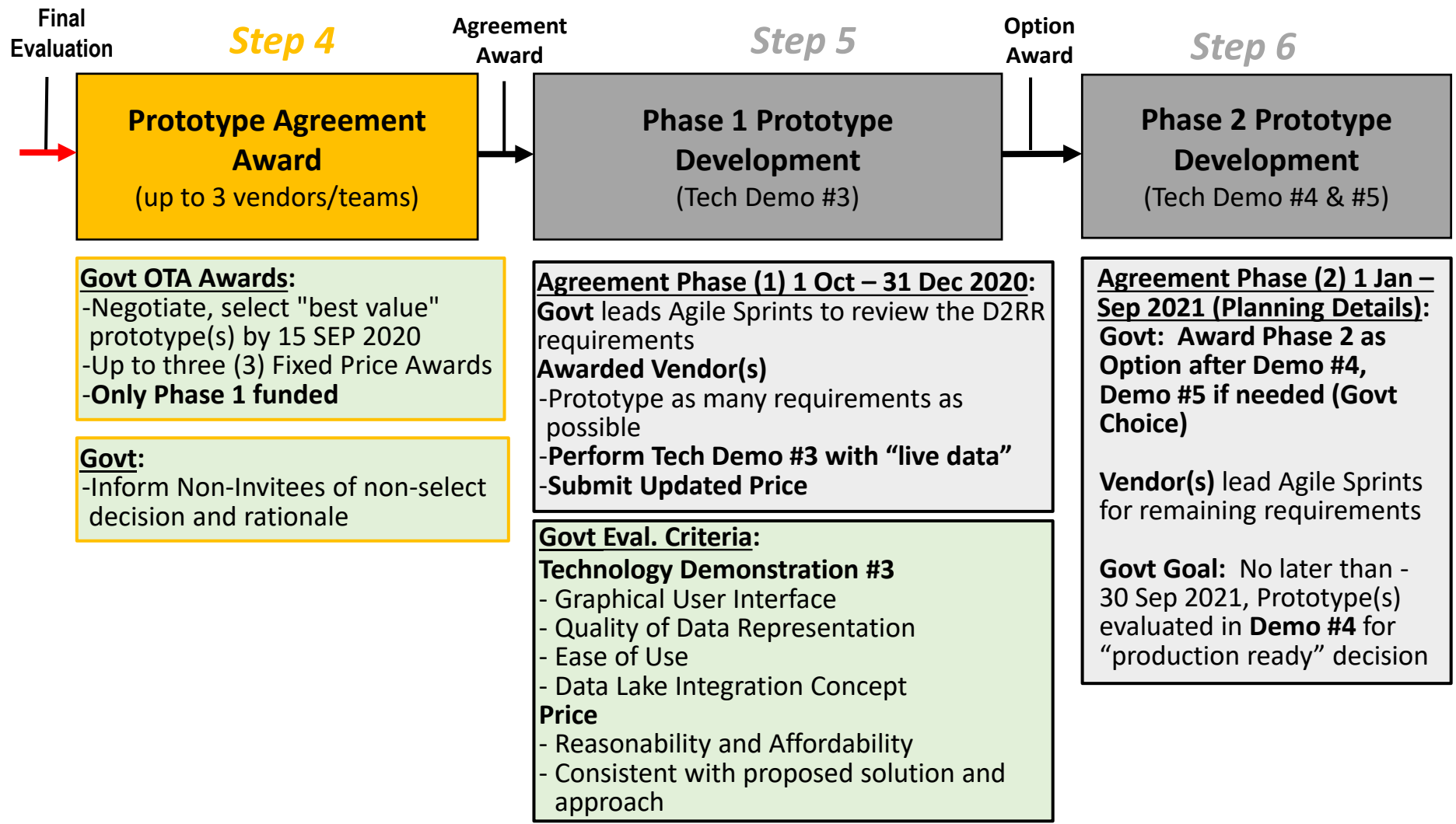
**NOTES:**

- OTA Acquisition Approach using a "Stand-Alone OTA" vice a Consortium
- Only the **most competitive** Offeror(s) will receive an upward invitation at to the next Step

**Invite #2 with Prototype Project Opportunity Notice (PPON) with Performance Work Statement, Terms & Conditions, License Template**

Inform Non-Invitees of non-select decision and rationale







# Draft GFIM OTA Acquisition Approach

## Step 1

Upward Invite #1

## Step 2

Upward Invite #2

## Step 3

Evaluation

## Step 4

Agreement Award

## Step 5

White Papers and Rough Order of Magnitude Cost (Statement of Need)

Oral Presentations and Tech Demo #1 (Corporate/Public Data)

Respond to Prototype Project Opportunity Notice (PPON) and Tech Demo #2 (Government Data Disk)

Prototype Agreement Award (up to 3 vendors/teams)

Phase 1 Prototype Development (Tech Demo #3)

**All Vendors:**  
Submit White Paper and ROM in response to Statement of Need (SoN)

**Invited Vendors:**  
Conduct Oral Presentation and Technology Demonstration #1

**Invited Vendors:**  
Submit full Prototype Proposal, with technical detail, licenses and terms and conditions

**Govt OTA Awards:**  
- Negotiate, select "best value" prototype(s) by 15 SEP 2020  
- Up to three (3) Fixed Price Awards  
- **Only Phase 1 funded**

**Agreement Phase (1) 1 Oct – 31 Dec 2020:**  
**Govt** leads Agile Sprints to review the D2RR requirements  
**Awarded Vendor(s)**  
- Prototype as many requirements as possible  
- Perform Tech Demo #3 with "live data"  
- Submit Updated Price

**Govt "Go / No-Go" Eval. Criteria:**  
- OTA Eligible Vendors/Teams  
- Commercial Item Software  
- Cross-Domain Solution  
- Authoritative Data Platform  
- Innovative AI/ML/BI Solution  
- Cloud Hosted Solution  
- Feasibility of ROM

**Govt Eval. Criteria:**  
**Oral Presentation**  
- Soundness of Approach  
- Hosting Approach  
- Demonstrated Performance  
- Understanding of GFM Reqs  
**Technology Demonstration #1**  
- Graphical User Interface  
- Quality of Data Representation  
- Ease of Use  
- Data Lake Integration Concept

**Govt Eval Criteria:**  
**Technical Approach**  
- Soundness of Approach  
- Hosting Approach (by Phase)  
- Demonstrated Performance  
- Understanding of DoD GFM Reqs  
- Data Lake Integration Plan  
**Price**  
- Reasonability and Affordability  
- Consistent with proposed solution and approach

**Govt:**  
- Inform Non-Invitees of non-select decision and rationale

**Govt Eval. Criteria:**  
**Technology Demonstration #3**  
- Graphical User Interface  
- Quality of Data Representation  
- Ease of Use  
- Data Lake Integration Concept  
**Price**  
- Reasonability and Affordability  
- Consistent with proposed solution and approach

**Govt:**  
"Go" Publish Invite #1 with Demo #1 instructions for specific format, time & location  
"No-Go" Informed of decision and rationale

**Govt:**  
- Document Evaluation, conduct Technical Exchanges if required

**Technology Demonstration #3**  
- Graphical User Interface  
- Quality of Data Representation  
- Ease of Use  
- Data Lake Integration Concept

**Govt:**  
- Document Evaluation, conduct Technical Exchanges if required

**Invite #2 with Prototype Project Opportunity Notice (PPON)** with Performance Work Statement, Terms & Conditions, License Template

Inform Non-Invitees of non-select decision and rationale

**Phase 2 Prototype Development (Tech Demo #4 & #5)**

**Agreement Phase (2) 1 Jan – Sep 2021 (Planning Details):**  
**Govt:** Award Phase 2 as Option after Demo #4, Demo #5 if Needed  
**Vendor(s)** lead Agile Sprints for remaining requirements  
**Govt Goal:** No later than - 30 Sep 2021, Prototype(s) evaluated in Demo #4 for "production ready" decision



# Draft GFIM OTA Planning Timeline

Mar 2020				Apr 2020				May 2020			
1-7	8-14	15-21	22-31	1-7	8-14	15-21	22-30	1-7	8-14	15-21	22-31

Published Request for Information (6 MAR) ★

★ Virtual Industry Day @ Ft Belvoir (20 MAR)

★ Publish Request for White Paper (10 APR)

★ Issue Upward Invite #1 with Scheduled Oral / Tech Demo Date (8 MAY)

◆ RFI Response Due (16 MAR)

◆ 10 - 30 APR  
Vendors Finish WP/ROM

◆ Schedule Vendor 1-on-1's and Review WPs/ROMs (18-19 MAR)

◆ 1 - 8 MAY  
Govt Prep for Upward Invite #1

◆ 12 - 15 MAY  
Vendors Conduct Orals/ Tech Demo #1

◆ Conduct Vendor 1-on-1's (20, 23-24 MAR)

Jun 2020				Jul 2020				Aug 2020				Sep 2020			
1-7	8-14	15-21	22-30	1-7	8-14	15-21	22-31	1-7	8-14	15-21	22-31	1-7	8-14	15-21	22-30

Step 2: Orals/Tech Demo #1

Step 3: PPON / Tech Demo #2 (Written Proposals)

Step 4: Prototype Agreement Award

◆ 18 MAY - 12 JUN  
Govt Finish Evals of Orals/ Tech Demo (18 May - 12 JUN)

★ Issue Upward Invite #2 with Prototype Project Opportunity Notice (30 JUN)

★ Govt Publishes Responses to Questions/Comments and issues Final PPON (24 JUL)

◆ 1 - 16 SEP  
Govt Prep for Prototype Agreement Award

◆ 15-29 JUN  
Govt Prep for Upward Invite #2

◆ Vendor PPON Questions / Comments due (13 JUL)

◆ 27 - 31 JUL  
Vendors Conduct Tech Demo #2

◆ Written Prototype Proposals Due (7 AUG)  
◆ 7 - 31 AUG  
Govt Final Eval

★ Phase 1 Prototype Agreement Award(s) (16 SEP)

## DRAFT Planning Timeline

# One-on-One Sessions

- Registration for One-on-One is closed!
- Scheduled 24+ (:30 minute) One-on-One sessions
- First session today (20 March) at 1:30pm
  - All sessions will be Virtual Point to Point connections (Audio and Video – when capable)
- Government team will consist of representatives from:
  - Capability Management Office (CMO), G-3/5/7 DAMO-SOE
  - PEO EIS, GFIM Prototype Team
  - Army Contracting Command – New Jersey
- All Vendor inputs (Sources Sought/RFI Responses, Collaboration Day and One-on-Ones) will help refine the GFIM Prototype requirements and Acquisition Approach



1. What is your commercial solution(s) to meet the requirements?
  
2. What is your approach to achieve zero custom code?
  
3. What is your commercial solution approach for:
  - a) Role Based Permissions
  - b) Layered approvals
  - c) Security



# Comments or Questions?





**AMERICA'S ARMY:**

Globally Responsive, Regionally Engaged

PUBLIC INFORMATION





**AMERICA'S ARMY:**

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PUBLIC INFORMATION

# Backups

## BACKUP SLIDES



## 5000.81 Urgent Capability Acquisition

DD – Disposition Decision

## 5000.80 Operation of the Middle Tier of Acquisition

OD – Outcome Determination

## 5000.02T Operation of the Defense Acquisition System

MDD – Materiel Development Decision

MS – Milestone (MS A, B or C)

IOC – Initial Operational Capability

FOC – Full Operational Capability

## 5000.xx Software Acquisition Policy Memo

I – Iteration (of software capability)

S 1- Sn – Agile Software Development Sprint

MVP – Minimum Viable Product

MVCR – Minimum Viable Capability Release

Rn – Release #

## 5000.75 Defense Business Systems Requirements & Acquisition

ATP – Authority to Proceed





# Acronym List for GFIM portfolio

**G-3/5/7**

**1. Enterprise Management Decision System (EMDS)** - EMDS is a **SIPRNet**, web-enabled solution that provides leadership with visually-driven, dashboard displays of readiness, resourcing, and ARFORGEN data

**2. Worldwide Individual Augmentation System (WIAS)** - A web-enabled decision support system used to manage the individual augmentation life-cycle.

**3. Equipment Common Operating Picture (ECOP)** - a web-based application that provides SIPRNet database for validating, endorsing, requesting and sourcing equipment requirements

**4. Mobilization Common Operating Picture Suite of Applications (MOBCOP)** - enables near real time answers and analytical assessments to inquiries across all Army organizations that offers a Common Operating Picture of Reserve Force status, availability and location down to Unit/SSN level of detail. (8 sub-systems - DAMPS, MDIS, MMS)

**FORSCOM**

**5. Army Force Generation Synchronization Toolset (AST)** - performs Army allocation and alignment functions within the joint Global Force Management

**6. Computerized Movement Planning Status System (COMPASS)** - A Unit Movement Information Management tool designed to function at the major command level in support of mobilization, deployment and redeployment of Component Active, Reserve and National Guard units.

**ASA(ALT)**

***OTA Phase 1***

**7. Defense Readiness Reporting System – Army (DRRS-A)** – Provides a Total Army solution for Force Projection, Force Planning, and Force Projection, and **Force Registration**.

**8. Reserve Component Automation System (RCAS)** – Provides Army Guard and Reserve with applications and database of record to manage Personnel, Mobilization, Safety and Occupational Health, and **Force Authorization**.

**9. Force Management System (FMS)** – Provides an integrated Force Management System that establishes accurate, consistent and timely Force Structure information for Army.  
**(Sub-Systems: SAMAS & AOS)**

**10. Force Management System** – Provides Force Structure information to the Army through a WEB Page.

**11. Structure and Manpower Allocation System (SAMAS)** – SAMAS is the database of record for force and manpower accounting and programming for all current and planned units Army wide.

**12. Army Organization Server (AOS)** – Both SIPRNet & NIPRNet repositories and distribution hubs for GFM-DI compliant force structure (individual billet and equipment authorization data) as well as the Army's Admin Default (At Rest) hierarchical relationships.



### **PROBLEM**

IAW HQDA EXORD 009-20: Army Data Plan Implementation in Support of Cloud Migration, the Army needs the ability to “see itself and to apply artificial intelligence (AI) and Machine Learning (ML) to Army data to support ongoing operations and drive modernization.” Further, the intent is to “position all relevant Army data in cloud or other appropriate environments that make the data visible, accessible, understandable, trusted, interoperable and secure (VAUTIS).”

### **PURPOSE**

The GFIM data lake will enable goals of the Army’s Data Plan to gain efficiencies, improve decision making and leverage emerging technologies to support ongoing operations and modernization. It will enable this by establishing a single repository of raw authoritative data from multiple systems pertaining to the GFIM effort. The purpose of an authoritative data repository is to ensure that all consumers of the data are using the correct, unaltered data and increase the confidence in derived insights. It will allow data consumers to reduce the number of data interfaces that they must maintain

The architecture of the data lake has at its foundation the principle of being decoupled from any particular Cloud Service Provider (CSP). This allows it to remain independent from any particular technology and always in a state of “modernization readiness.”

### **VISION**

The Data Lake will provide a single consolidation point for all authoritative data supporting the D2RR process which currently resides in the systems that comprise the GFIM Portfolio

### **SCOPE**

This will be accomplished by creating both a Classified and Unclassified Data Lake to provide a single source of native data in its raw format which allows for the normalization of disparate data into a “single source truth”. The Data Lake will accelerate innovation by allowing for self-service data discovery, the ability to find relationships across data sources, and the ability to provide data-as-a-service via standard APIs without a System Interface Agreement (SIA) for each individual source system

### **BENEFIT**

The expansive set of raw data in the Data Lake will provide a single source location for all GFIM data. This data can be easily and securely distributed across the Army and other external agencies to data analysts, data scientists, data warehouse professionals. These users can then explore, discover and repurpose this data into multiple, diverse data sets providing quick answers to new and unanticipated analytics questions

